



Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/540,635
	Filing Date	December 12, 2005
	First Named Inventor	Haines
	Group Art Unit	4161
	Examiner Name	Sean M. Basquill
	Attorney Docket Number	21534-002 CIP NATL

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
/S.B./	*A1	4,879,312	11/07/89	Kamarei et al.	514	560	
/S.B./	*A2	5,569,585	10/29/96	Goodwin et al.	435	6	
/S.B./	*A3	6,103,756	08/15/00	Gorsek	514	458	

U.S. PUBLISHED APPLICATION DOCUMENTS							
Exam Initials	Cite No.	U.S. Published Application No.	Published Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
/S.B./	*A4	2002/0002154 A1	01/03/02	Guivarc'h et al.	514	174	
/S.B./	*A5	2002/0110604 A1	08/15/02	Babish, et al.	424	725	

FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	
/S.B./	*B1	WO	01/85206 A2	Haines, et al.	11/15/01		
/S.B./	*B2	JP	01-156923 A	Haines, et al.	06/20/90	Abstract only	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/S.B./	*C1	Baek, et al., "The Effects of Two New Antagonists of Secretory PLA ₂ on TNF, iNOS, and COX-2 Expression in Activated Macrophages", <i>SHOCK</i> , 12(6):473-478 (1999).
/S.B./	*C2	Beauregard, et al., "Induction of Nitric Oxide Synthase and Over-Production of Nitric Oxide by Interleukin-1 β in Cultured Lacrimal Gland Acinar Cells", <i>Exp. Eye Res.</i> , 77(1):109-114 (2003).
/S.B./	*C3	Chen, et al., "A 3D-QSAR Study on Ginkgolides and Their Analogues with Comparative Molecular Field Analysis", <i>Bioorg. Med. Chem. Lett.</i> , 8(11):1291-1296 (1998).
/S.B./	*C4	Fan, et al., "Does Astaxanthin Protect Haematococcus Against Light Damage?", <i>Z. Naturforsch.</i> , C53, pp. 93-100 (1998).
/S.B./	*C5	Fies, et al., "Ginkgo Extract in Impaired Vision—Treatment with Special Extract EGb 761 of Impaired Vision Due to Dry Senile Macular Degeneration", <i>Wien. Med. Wochenschr.</i> , 152(15/16):423-426 (2002).
/S.B./	*C6	Guex-Crosier, "Non-Steroidal Anti-Inflammatory Drugs and Ocular Inflammation", <i>Klin. Monatsbl. Augenheilkd.</i> , 218(5):305-308 (2001).
/S.B./	*C7	Jyonouchi, et al., "Immunomodulating Actions of Carotenoids: Enhancement of In Vitro Antibody Production to T-Dependent Antigens", <i>Nutr. Cancer</i> , 21(1):47-58 (1994).
/S.B./	*C8	Jyonouchi, et al., "Effects of Various Carotenoids on Cloned, Effector-Stage T-Helper Cell Activity", <i>Nutr. Cancer</i> , 26(3):313-324 (1996).
/S.B./	*C9	Kurashige, et al., "Inhibition of Oxidative Injury of Biological Membranes by Astaxanthin", <i>Physiol. Chem. Phys. & Med. NMR</i> , 22(1):27-38 (1990).

THER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/S.B./	*C10	Li, et al., "The Bioavailability of Ginkgolides in Ginkgo Biloba Extracts", <i>Planta Medica</i> , 63(6):563-565 (1997).
/S.B./	*C11	Lobefalo, et al., "Dry Eye in Allergic Conjunctivitis: Role of Inflammatory Infiltrate", <i>Int. J. Immunopathol. Pharmacol.</i> , 12(3):133-137 (1999).
/S.B./	*C12	Morrow, et al., "Increase in Circulating Products of Lipid Peroxidation (F ₂ -Isoprostanes) in Smokers", <i>N.E.J. Med.</i> , 332:1198-1203 (1995).
/S.B./	*C13	Newsholme, et al., "Camp-Specific Phosphodiesterase Inhibitor, Rolipram, Reduces Eosinophil Infiltration Evoked by Leukotrienes or by Histamine in Guinea Pig Conjunctiva", <i>Inflammation</i> , 17(1):25-31 (1993).
/S.B./	*C14	Okai, et al., "Possible Immunomodulating Activities of Carotenoids in In Vitro Cell Culture Experiments", <i>Int. J. Immunopharmac.</i> , 18(12):753-758 (1996).
/S.B./	*C15	Saponara, et al., "Inhibition of cAMP-Phosphodiesterase by Biflavones of Ginkgo Biloba in Rat Adipose Tissue", <i>J. Nat. Prod.</i> , 61(11):1386-1387 (1998).
/S.B./	*C16	Shaban, et al., "Phosphatidylglycerol Potently Protects Human Retinal Pigment Epithelial Cells Against Apoptosis Induced by A2E, a Compound Suspected to Cause Age-Related Macula Degeneration", <i>Exp. Eye Res.</i> , 75(1):99-108 (2002).
/S.B./	*C17	Vint, et al., "The Gold Anti-Rheumatic Drug Auranofin Governs T Cell Activation by Enhancing Oxygen Free Radical Production", <i>Eur. J. Immunol.</i> , 24(9):1961-1965 (1994).
/S.B./	*C18	Vint, et al., "The Interaction of Auranofin and Buthionine Sulfoximine Blocks Activation of Human Peripheral T Lymphocytes", <i>Cell. Immunol.</i> , 152(1):152-161 (1993).
/S.B./	*C19	Vint, et al., "The Effects of Auranofin on Activation and Interleukin-2 Release from Human Peripheral Blood Mononuclear Cells", <i>Agents and Actions</i> , 40(3/4):209-214 (1993).
/S.B./	*C20	Wang, et al., "Astaxanthin-Rich Algal Meal and Vitamin C Inhibit Helicobacter Pylori Infection in BALB/cA Mice", <i>Antimicrobial Agents and Chemotherapy</i> , 44(9):2452-2457 (2000).

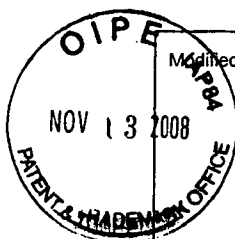
* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior applications, Serial No.10/621,802, filed July 16, 2003, and Serial No. 10/345,856, filed January 16, 2003, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications)

Examiner Signature	/Sean Basquill/ (04/06/2009)	Date Considered	04/06/2009
-----------------------	------------------------------	--------------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ACTIVE 4472559v.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.B./



Modified Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	10/540,635
Filing Date	December 12, 2005
First Named Inventor	Haines
Group Art Unit	4161
Examiner Name	Sean M. Basquill
Attorney Docket Number	21534-002 CIP NATL

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A1	4,879,312	11/07/89	Kamarei et al.	514	560	
	*A2	5,569,585	10/29/96	Goodwin et al.	435	6	
	*A3	6,103,756	08/15/00	Gorsek	514	458	

U.S. PUBLISHED APPLICATION DOCUMENTS

Exam Initials	Cite No.	U.S. Published Application No.	Published Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A4	2002/0002154 A1	01/03/02	Guivarc'h et al.	514	174	
	*A5	2002/0110604 A1	08/15/02	Babish, et al.	424	725	

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	*B1	WO 01/85206 A2	Haines, et al.	11/15/01	
	*B2	JP 01-156923 A	Haines, et al.	06/20/90	Abstract only

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	*C1	Baek, et al., "The Effects of Two New Antagonists of Secretory PLA ₂ on TNF, iNOS, and COX-2 Expression in Activated Macrophages", <i>SHOCK</i> , 12(6):473-478 (1999).
	*C2	Beauregard, et al., "Induction of Nitric Oxide Synthase and Over-Production of Nitric Oxide by Interleukin-1 β in Cultured Lacrimal Gland Acinar Cells", <i>Exp. Eye Res.</i> , 77(1):109-114 (2003).
	*C3	Chen, et al., "A 3D-QSAR Study on Ginkgolides and Their Analogues with Comparative Molecular Field Analysis", <i>Bioorg. Med. Chem. Lett.</i> , 8(11):1291-1296 (1998).
	*C4	Fan, et al., "Does Astaxanthin Protect Haematococcus Against Light Damage?", <i>Z. Naturforsch.</i> , C53, pp. 93-100 (1998).
	*C5	Fies, et al., "Ginkgo Extract in Impaired Vision—Treatment with Special Extract EGb 761 of Impaired Vision Due to Dry Senile Macular Degeneration", <i>Wien. Med. Wochenschr.</i> , 152(15/16):423-426 (2002).
	*C6	Guex-Crosier, "Non-Steroidal Anti-Inflammatory Drugs and Ocular Inflammation", <i>Klin. Monatsbl. Augenheilkd.</i> , 218(5):305-308 (2001).
	*C7	Jyonouchi, et al., "Immunomodulating Actions of Carotenoids: Enhancement of In Vitro Antibody Production to T-Dependent Antigens", <i>Nutr. Cancer</i> , 21(1):47-58 (1994).
	*C8	Jyonouchi, et al., "Effects of Various Carotenoids on Cloned, Effector-Stage T-Helper Cell Activity", <i>Nutr. Cancer</i> , 26(3):313-324 (1996).
	*C9	Kurashige, et al., "Inhibition of Oxidative Injury of Biological Membranes by Astaxanthin", <i>Physiol. Chem. Phys. & Med. NMR</i> , 22(1):27-38 (1990).

THER PRIOR ART / NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	*C10	Li, et al., "The Bioavailability of Ginkgolides in Ginkgo Biloba Extracts", <i>Planta Medica</i> , 63(6):563-565 (1997).
	*C11	Lobefalo, et al., "Dry Eye in Allergic Conjunctivitis: Role of Inflammatory Infiltrate", <i>Int. J. Immunopathol. Pharmacol.</i> , 12(3):133-137 (1999).
	*C12	Morrow, et al., "Increase in Circulating Products of Lipid Peroxidation (F ₂ -Isoprostanes) in Smokers", <i>N.E.J. Med.</i> , 332:1198-1203 (1995).
	*C13	Newsholme, et al., "Camp-Specific Phosphodiesterase Inhibitor, Rolipram, Reduces Eosinophil Infiltration Evoked by Leukotrienes or by Histamine in Guinea Pig Conjunctiva", <i>Inflammation</i> , 17(1):25-31 (1993).
	*C14	Okai, et al., "Possible Immunomodulating Activities of Carotenoids in In Vitro Cell Culture Experiments", <i>Int. J. Immunopharmac.</i> , 18(12):753-758 (1996).
	*C15	Saponara, et al., "Inhibition of cAMP-Phosphodiesterase by Biflavones of Ginkgo Biloba in Rat Adipose Tissue", <i>J. Nat. Prod.</i> , 61(11):1386-1387 (1998).
	*C16	Shaban, et al., "Phosphatidylglycerol Potently Protects Human Retinal Pigment Epithelial Cells Against Apoptosis Induced by A2E, a Compound Suspected to Cause Age-Related Macula Degeneration", <i>Exp. Eye Res.</i> , 75(1):99-108 (2002).
	*C17	Vint, et al., "The Gold Anti-Rheumatic Drug Auranofin Governs T Cell Activation by Enhancing Oxygen Free Radical Production", <i>Eur. J. Immunol.</i> , 24(9):1961-1965 (1994).
	*C18	Vint, et al., "The Interaction of Auranofin and Buthionine Sulfoximine Blocks Activation of Human Peripheral T Lymphocytes", <i>Cell. Immunol.</i> , 152(1):152-161 (1993).
	*C19	Vint, et al., "The Effects of Auranofin on Activation and Interleukin-2 Release from Human Peripheral Blood Mononuclear Cells", <i>Agents and Actions</i> , 40(3/4):209-214 (1993).
	*C20	Wang, et al., "Astaxanthin-Rich Algal Meal and Vitamin C Inhibit Helicobacter Pylori Infection in BALB/cA Mice", <i>Antimicrobial Agents and Chemotherapy</i> , 44(9):2452-2457 (2000).

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior applications, Serial No.10/621,802, filed July 16, 2003, and Serial No. 10/345,856, filed January 16, 2003, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications)

Examiner Signature	/Sean Basquill/ (04/06/2009)	Date Considered	04/06/2009
--------------------	------------------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ACTIVE 4472559v.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.B./